

FORWARD

About the City of Fairfax, VA

The City of Fairfax is a municipal corporation serving the City of Fairfax. The City of Fairfax is made up of a 6-member City Council and City Mayor.

Our services are funded entirely from our rates and fees, which reflect legal requirements to use the "cost of service" approach in setting rates, fees, and charges. The City of Fairfax provides services within a basic framework of State and Federal law and agreements with the Towns and County regarding the extension and provision of public water and sewer services.

Manual Introduction

The City of Fairfax current specifications and standard details explain the construction process and establish minimum acceptable guidelines for construction of municipal streets, drainage systems, utilities, and their appurtenances. Although the original document still serves as a good reference manual and guide to developers, contractors, and designers, there have been changes in materials, methods, and procedures that need to be incorporated into a revised document.

This new Standard Public Works Facilities Manual was prepared by Appian Consulting Engineers, PA, Rocky Mount, NC for the City of Fairfax, VA. The manual contains specific technical information related to the proposed construction of infrastructure improvements within the City of Fairfax service area.

The materials, improvement specifications, standard details, and design methodology contained herein are established as the minimum requirements for the City of Fairfax and have been determined to be reasonable as applicable to the City of Fairfax. This document has been compiled from current standards and practices used by the City of Fairfax, from improvement standards used in other areas of the State of Virginia, and applicable enabling legislation of the State of Virginia.

Manual format

This manual was prepared to facilitate ease of use by both the design engineers and the contractor. The various elements that comprise this book have been compiled from adopted policies and procedures, both current and new standard details, specifications, and practices. This manual contains the information needed by design engineers, developers, and contractors to facilitate design, development, and construction within the City of Fairfax service area. Additionally, the information contained herein is available on the City of Fairfax's website.

Standard Specifications

The standard specification section includes the following sections:

- Earthwork,
- Trenching, Backfilling and Compaction of Utilities,

- Curb & Gutter, Driveways, & Sidewalks,
- Water Distribution,
- Sanitary Sewer
- Storm Drainage,
- Base Course and Paving
- Seeding, Sodding, and Groundcover,
- Traffic Signal Installation
- Street Lighting).

Erosion Control - permitting and plan review is administered by:

- The City of Fairfax, and
- Virginia Erosion and Sediment Control Handbook, latest revision.

Standard Details

All structures, as well as a few non-structure type standards, are high-quality drawings, when practical, in both isometric and exploded views.

Standard Detail sections included in manual:

- Streets and Sidewalks
- Water
- Sewer
- Water Quality (BMP's)
- Landscaping

Design Section

A design section has been provided which incorporates the following:

❖ Utilities

- Regulatory requirements of the *Manual of Practice for Sewerage Systems and Treatment Works*, Article 1, *Collection and Conveyance Sewers*, 9 VAC 25-790-310 through 440 as published by the Commonwealth of Virginia, Virginia Department of Health (VDH), latest revision,
- Virginia Department of Health *Waterworks Regulations*, latest revision,
- ASCE–Manuals of Reports on Engineering Practice-No. 60, *Gravity Sanitary Sewer Design and Construction*,
- The *Recommended Standards for Sewage Works* by the Great Lakes-Upper Mississippi River Board of State Sanitary Engineers, and
- The applicable requirements specific to the City of Fairfax.

❖ Street Design

- AASHTO Guide for Design of Pavement Structures or VDOT Pavement Design Guide for Subdivision and Secondary Roads in Virginia,
- ITE Trip Generation, 6th Edition, and
- The applicable requirements specific to the City of Fairfax.

❖ Storm Drainage Design

- Regulatory requirements of the Virginia Department of Conservation and Recreation, Stormwater Management Program,
- Fairfax County PFM for Hydrology, and
- The applicable requirements specific to the City of Fairfax.

To the best of their ability, the authors have insured that the information presented here is correct and that the procedures are reliable. The execution of an engineering design; however, involves the judgment of the design engineer, and only the engineer can ascertain whether a technique or item of information can be applied to a given situation.

Policy and Ordinance

Some of the relevant specific policies and ordinances, in their entirety, have been provided. Other related policies and ordinances can be obtained directly from the City of Fairfax.

Copies of Manual

Copies of this manual may be purchased by contacting the City of Fairfax at [703-246-6330](tel:703-246-6330).

Jurisdiction

On or after [August 15, 2004](#) this Public Facilities Manual shall be applicable to all new improvements and alterations in existing improvements lying within the regulatory jurisdiction of the City of Fairfax.

Variance or Modification

Any variances, alternate designs, construction methods and materials, not specifically prescribed herein, shall be subject to the approval of the City Engineer.

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End of Section